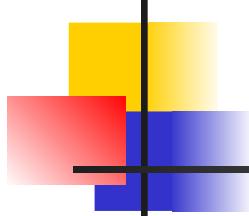# *Server Administration*

AFCIS
Systems Engineering Technical Breakout

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Server Administration

- Server Replacements
  - Where have we been and where are we going
- Server Hardware Issue
- BrightStor
  - Issues
  - Troubleshooting
- Server Backup Solution
  - Where we are and where we are trying to go
- Server Maintenance
  - Security
  - What types of things should I be doing
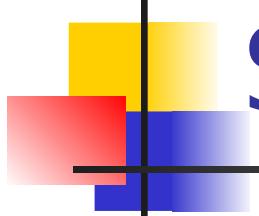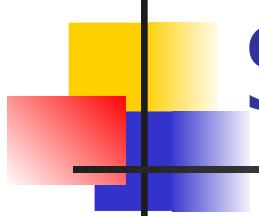
Server Replacements

- Start
  - IDP Database Servers & Micron SPS-I Servers
- Change 1
  - Began replacing IDP with Micron 6200
  - Replaced remainder with Dell 6400
- Change 2
  - Replaced small Micron with Dell 4600
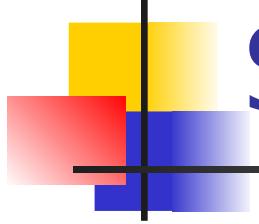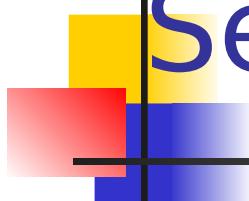
Server Replacements

- Change 3
  - Replacing Micron 6200 with Dell 4600
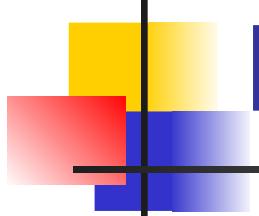
Where are we now?

Server Replacements

- Three Server Platforms fielded
- Micron 6200, Dell 6400, Dell 4600
  - All Microns replaced by May '04
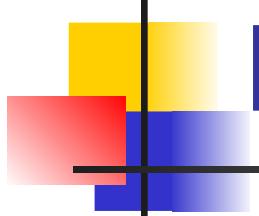
- Next?
  - Replace Dell 6400

Server Hardware Issue

- Problem with PERC 3/QC RAID Card
- Fix Action
  - Upgrade Firmware & Drivers
- Who will fix the problem?
- How?
- When?

BrightStor ArcServe Backup

- Current Version
  - DB Server – Version 9 for windows w/ Disaster Recovery Option
  - SPS-I Server – Version 9 for windows w/Open File Agent
- Upgrades
 - DB Server – Add Sybase option after 4.2 upgrade

BrightStor Issues

- Open File Agent
  - Fills Logs and causes Incomplete backup
- Disaster Recovery Option
  - Does not work with service pack disks
- Sybase Option
 - Testing for functionality with 4.2
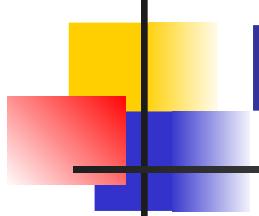
BrightStor Troubleshooting

- Backup Failures (HIGH)
  - Should be rerun ASAP
- Incomplete (MED)
  - Make sure database was backed up
- Crashed (HIGH)
  - Should be rerun ASAP
- Send Activity log to AFCIS SE
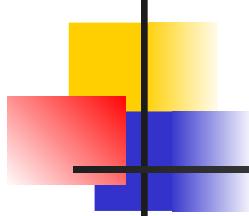 - afcis.engineers@gunter.af.mil
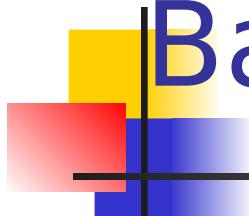
Backup Solution

- Sony AIT
  - Almost 3 years old and must be replaced
- Possible Solutions
 - 8-10 tape autoloader AIT-2 or 3
  - Disk backup solution
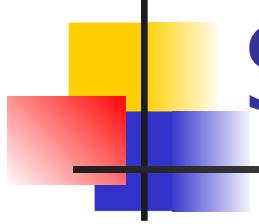
Server Maintenance

- **Security Patches**
  - Windows 2000 SP4 is OK to load
  - Remaining patches on case by case basis
  - Log in locally
  - Stay informed regarding NCC changes (i.e. AD)

Server Maintenance

- Check backup logs daily
- Check Event logs daily
- Keep AV signature files updated
- Reboot server once a week (minimum)
- Is server properly connected to a UPS
- Off-Site
- Maintain a written server log
- Train your alternates
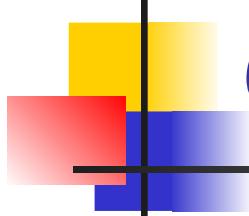
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